

From: [Keating, James W.](#)
To: [Caudill, Motria](#)
Subject: RE: Site visit to see fenceline stations? VOC method comparison
Date: Friday, August 15, 2014 11:20:28 AM

Best to reach me before 10 AM or after 2 PM on Monday.

Talk to you then,

Jim

James W. Keating
Environmental – Air Team Leader
BP Products North America
Whiting Refinery, RSB 204
Phone: 219-473-2133
E-mail: james.keating@bp.com

From: Caudill, Motria [<mailto:caudill.motria@epa.gov>]
Sent: Friday, August 15, 2014 10:28 AM
To: Keating, James W.
Subject: RE: Site visit to see fenceline stations? VOC method comparison

Hi Jim - I'm just getting caught up after attending a monitoring conference this week. What would be a good time to call you Monday? I'll be back in the office.. flexible schedule. Thanks!

From: Keating, James W. <james.keating@bp.com>
Sent: Tuesday, August 12, 2014 6:58 AM
To: Caudill, Motria
Cc: philip.hight@urs.com
Subject: RE: Site visit to see fenceline stations? VOC method comparison

Hi Motria,

Thursday morning the 21st will work for Phil and I.

Please give me a call when you have a free minute and we can iron out the details.

Thanks,

Jim

James W. Keating
Environmental – Air Team Leader
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Whiting Refinery, RSB 204
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E-mail: james.keating@bp.com

From: Caudill, Motria [<mailto:caudill.motria@epa.gov>]
Sent: Wednesday, August 06, 2014 9:08 AM
To: Keating, James W.
Cc: philip.hight@urs.com
Subject: RE: Site visit to see fenceline stations? VOC method comparison

Hi Jim & Phil – We are getting ready to start sample collection on Thursday August 21st. If we get four valid sets of samples with each weekly deployment, we should have a good-sized dataset within two months.

Are Thursday mornings still okay with you and is the 21st a workable start date?

Thanks,
Motria

312-886-0267

From: Keating, James W. [<mailto:james.keating@bp.com>]
Sent: Tuesday, June 03, 2014 12:42 PM
To: Caudill, Motria
Cc: philip.hight@urs.com; Wilson, Linda J (Whiting)
Subject: RE: Site visit to see fenceline stations? VOC method comparison

Motria,

Thursday mornings should work fine.

I have attached the URS safety work plan you requested.

Let me know if you need more.

Jim

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From: Caudill, Motria [<mailto:caudill.motria@epa.gov>]
Sent: Monday, June 02, 2014 3:34 PM
To: Keating, James W.; Wilson, Linda J (Whiting)

Subject: RE: Site visit to see fenceline stations? VOC method comparison

Jim – Thank you so much for taking the time last week to show us around the monitoring stations. Please thank Phil for me again, too.

We've decided to put off our start date until the week of July 7th, after our lab analyst returns from vacation.

In the meantime I'll be working on the QAPP, including the safety plan and schedule details. When you get a chance, please do send me the safety plan that URS follows. Also let me know your thoughts on the most workable day and time for our weekly visits. We hit afternoon traffic on the return trip, so hopefully you can suggest a morning time slot that's good for everyone.

Thanks,
Motria

From: Keating, James W. [<mailto:james.keating@bp.com>]
Sent: Wednesday, May 28, 2014 4:12 PM
To: Caudill, Motria
Subject: RE: Site visit to see fenceline stations? VOC method comparison

We are good to go for tomorrow afternoon. Please bring your PPE. The visitor center will supply you with FRC and H2S monitors after watching the 15 minute safety video..

Jim

James W. Keating
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From: Caudill, Motria [<mailto:caudill.motria@epa.gov>]
Sent: Monday, May 19, 2014 11:20 AM
To: Wilson, Linda J (Whiting)
Cc: Keating, James W.
Subject: RE: Site visit to see fenceline stations? VOC method comparison

Hi Linda – This week is getting away from me, so can we talk about meeting 10:00 AM next week Weds or Thursday? We'll come with appropriate PPE and are happy to follow your safety protocols.

I'll be visiting with two field technicians. We all have OSHA 24-hour safety training or better. We generally do not develop a safety plan for routine air monitoring work – climbing ladders and working on top of a monitor trailer is everyday work for us. But we should talk about how to approach this kind of work within the confines of your facility.

How is safety addressed by the contractor that is running your fenceline monitors? Maybe this would be a good model for us. I am developing our Quality Assurance Project Plan (QAPP) – we

could include your existing safety plan as an appendix. Something to discuss.

The samplers that we will be installing include small passive-diffusive tubes (inside a white plastic housing) and a typical Summa canister. We'll need to affix them (using zip ties) with inlets at 2-7 meters from the ground and without any obstructions to airflow. Depending on how your sites are configured, we could tie the samples to the railing on top of a trailer or to the adjacent chainlink fence. A back-up possibility is hanging samples from a 6' pole that we stake into the ground.

Attached are a couple photos from our previous studies. The first is passive tubes affixed to a fire escape, the second is a Summa canister tied to a fence. Let me know if you have any questions.

-Motria

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Motria P. Caudill, Ph.D.  
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From: Wilson, Linda J (Whiting) [<mailto:linda.wilson2@bp.com>]
Sent: Wednesday, May 14, 2014 3:16 PM
To: Caudill, Motria
Cc: Keating, James W.
Subject: RE: Site visit to see fenceline stations? VOC method comparison

I am sorry for the late reply on this. We could certainly arrange some time with you during the week of May 19th or 26th to visit the sites. The stations will be inside the refinery. So, you will need appropriate PPE (hardhat, safety glasses, work shoes/boots, FRC/Nomex).

We will also need to really understand what your "scope of work" will be on the passive tubes/summa canisters on-site, to ensure that the job is appropriately safety assessed.

Linda Wilson

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From: Caudill, Motria [<mailto:caudill.motria@epa.gov>]
Sent: Wednesday, May 07, 2014 2:51 PM

To: Wilson, Linda J (Whiting)

Subject: Site visit to see fenceline stations? VOC method comparison

Hi Linda - It looks like my lab folks have their ducks in a row and we can start on the VOC method comparison pretty soon. I'll be out of town next week, but was hoping a couple of us could do a site visit sometime the week of May 19th or 26. We'll need to see the fenceline stations to get an idea of how we'll be able to affix our passive tubes and Summa canisters. We should also make arrangements for a weekly site visit to set up and take down our samples.

I hope all is well with your monitoring program and everything else. I look forward to meeting you and getting started on some data collection!

Thanks,
Motria